

DESCRIPTION

Ballona Creek is one of the two largest watersheds in the Santa Monica Bay Watershed Management Area. It is a nine-mile long flood control channel that drains the Ballona Creek watershed (which covers approximately 130 square miles) to the Pacific Ocean. It formerly drained into a large wetland complex, but now it has no direct connection to the few wetlands remaining in the area.

However, Ballona Creek often affects the nearby wetlands due to trash, suspended material, and dissolved contaminants moving from the ocean to the nearby Ballona Wetlands and Marina del Rey Harbor. Ballona Creek watershed is impaired because of coliform, trash, PCBs, and pesticides of historical origin (such as DDT, chlordane, and dieldrin), and metals (such as lead, silver, arsenic, copper, cadmium, and zinc).



Ballona Creek and Marina del Rey Channel

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For more photos, visit:
www.californiacoastline.org.

REASON FOR CCA IDENTIFICATION

Ballona Creek is a 2002 303(d)-listed **impaired waterbody that flows into a Marine Protected Area** (Santa Monica Bay).

POLLUTED RUNOFF CONDITIONS

	Top 5 Runoff Pollutants of Concern					Efforts to Address Pollutants (See next page)
	<u>2002 303(d)-Listed Pollutants</u> TMDL Priority (& Proposed Completion)					
Selected Coastal Zone Waterbodies	Metals (<u>Cadmium</u> , <u>Copper</u> , <u>Lead</u>)	Pesticides (<u>Dieldrin</u> , <u>Chlordane</u> , <u>DDT</u>)	Pathogens (<u>Enteric Viruses</u> , <u>Coliform</u>)	<u>PCBs</u>	<u>Silver & Zinc</u>	
Ballona Creek ▲	▲ High (2004)	▲ High (2004) & <u>Chem A</u> High (2004)	▲ High (2004)	▲ High (2004)	▲ Low	
Ballona Creek Estuary ■	■ <u>Lead</u> High (2004)	■ <u>Chlordane & DDT</u> High (2004)	■ <u>Coliform</u> High (2003)	■ High (2004)	■ <u>Zinc</u> High (2003)	
Centinela Creek ●	[●] ¹	[●] ¹	[●] ¹	[●] ¹	[●] ¹	
Other Waterbodies □						
Potential Sources of Pollutants in Coastal Waterbodies						
Agriculture						
Forestry (Silviculture)						
Urban Areas						
➤ Urban Runoff/Storm Sewers	[▲ ●] ¹		[▲ ■ ●] ¹		[▲ ■ ●] ¹	c, d, e, f, g, h, i

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Potential Sources of Pollutants, continued	Metals (Cadmium, Copper, Lead)	Pesticides (Dieldrin, Chlordane, DDT)	Pathogens (Enteric Viruses, Coliform)	PCBs	Silver & Zinc	Efforts to Address Pollutants
Marinas & Boating	[•] ¹		[•] ¹			
Hydromodification						
Wetlands & Riparian Areas						a, b, e
Unspecified Nonpoint Source	▲ ■	▲ ■	▲ ■	▲ ■	▲ ■	d
Natural Sources			[■ •] ¹			
Historic		[▲ ■ •] ¹		[▲ ■ •] ¹		

¹ Brackets indicate information from the Regional Water Quality Control Board on pollutants, and potential sources of pollutants, which are not listed on the 303(d) list for the waterbody indicated.

MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

a)	Ballona Wetlands Foundation			www.ballona-wetlands.org
		(310) 574-0700		bwf@ballona-wetlands.org
➤ The Ballona Wetlands Foundation is dedicated to the preservation and protection of the Ballona Wetlands ecosystem through research, educational programs and activities.				
b)	Friends of Ballona Wetlands Education/ Ecology Center			http://www.ballonafriends.org/index.htm
		(310) 306-5994		FBW@ballonafriends.org
➤ Friends of Ballona Wetlands' mission is to preserve, protect and restore the last major coastal wetland in Los Angeles County and to provide a unique and valuable learning environment for the community.				
c)	Ballona Creek Stormwater Trash Capture System			http://www.lastormwater.org/index1.htm
	City of Los Angeles, Watershed Protection Division		(323) 342-1501	webmaster@san.lacity.org
➤ Grant project will construct end-of-pipe full-capture systems on 3 City storm drain outlets. These full capture systems will prevent trash and other pollutants from entering Ballona Creek.				
d)	Ballona Creek Renaissance			http://www.ballonacreek.org
	Culver City-based non-profit organization	Jim Lamm	(310) 839-6896	jim.lamm@ballonacreek.org
➤ Facilitates long-term collaborative renewal of Ballona Creek and its watershed. Ballona Creek Master Plan Study identifies and prioritizes opportunities for improving Ballona Creek; Regional Plan to restore watershed to ecological health; school programs; annual community creek cleanup.				
e)	Santa Monica Bay Restoration Project (1994)			http://www.santamonica-bay.org/site/home/layout/index.jsp
	Santa Monica Bay Restoration Commission, Ballona Creek Watershed Coordinator	Jessica Hall	(213) 576-6687	jhall@waterboards.ca.gov
➤ Comprehensive Watershed Management Plan and extensive study of the Santa Monica Bay Watershed Management Area. Santa Monica Bay Restoration Plan approved by California State Governor in December 1994.				
f)	Creek Pollution Warning Signs			http://ladpw.org/wmd/
	Los Angeles County, Dept. of Public Works	Rod Kubomoto	(626) 458-4300	rkubomoto@ladpw.org
➤ Posted permanent warning signs on each side of the creek because bacterial level indicators are above the level of concern.				
g)	Heavy Metal Studies			http://www.spl.usace.army.mil/pm/pm.html
	U.S. Army Corps of Engineers (USACE)	Brain Moore	(213) 452-3971	brian.m.moore@usace.army.mil

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➤ Conducts study to identify sources of heavy metal loading within the watershed to help establish Total Maximum Daily Load (TMDL) for heavy metals.				
h)	Trash Total Maximum Daily Load TMDL for Ballona Creek and Wetland			http://www.waterboards.ca.gov/losangeles/
Los Angeles Regional Water Quality Control Board		Raymond Jay	(213) 576-6689	rjay@waterboards.ca.gov
➤ Total Maximum Daily Load (TMDL)-related analyses, and included a proposed plan to solve the problem of diazinon and pesticide-related toxicity in Bay Area urban creeks.				
i)	Draft Ballona Creek Watershed Management Plan			http://ladpw.org/wmd/
Los Angeles County, Dept. of Public Works		Rod Kubomoto	(626) 458-4300	rkubomoto@ladpw.org
➤ Developing a comprehensive management plan for the Ballona Creek Watershed, setting forth pollution control and habitat restoration actions needed to achieve an ecologically healthy watershed				
j)	Clean Beaches Initiative			http://www.swrcb.ca.gov/cwphoto/beaches/
State Water Resources Control Board		Laura Peters	(916) 341-5854	lpeters@waterboards.ca.gov
➤ Implementing the Santa Monica Bay Restoration Program Management Plan.				

REGULATORY/PLANNING JURISDICTIONS

➤ Culver City, Stormwater Dept.	http://www.ci.culver-city.ca.us/citygov/planning/planning.html	Cathy Chang	(310) 253-5619	cathy.chang@culvercity.org
➤ Los Angeles County, Public Works, Watershed Management Dept.	http://ladpw.org/wmd/	Terri Grant	(626) 458-4300	tgrant@ladpw.org
➤ Los Angeles County, Planning Dept.	http://planning.co.la.ca.us/	Dave Cowardin	(213) 974-6422	dcowardin@planning.co.la.ca.us
➤ Calif. Coastal Commission, Water Quality Unit	http://www.coastal.ca.gov/nps/npsndx.html	Tracy Duffey	(805) 585-1809	tduffey@coastal.ca.gov
➤ Los Angeles Regional Water Quality Control Board	http://www.waterboards.ca.gov/losangeles/	Raymond Jay	(213) 576-6689	rjay@waterboards.ca.gov
➤ State Water Resources Control Board, State Water Quality Protection Areas	http://www.swrcb.ca.gov/plnspols/oplans/asbs.html	Connie Anderson	(916) 341-5280	csanderson@waterboards.ca.gov
➤ California Coastal Conservancy	http://www.coastalconservancy.ca.gov/	Mary Small	(510) 286-4181	msmall@scc.ca.gov
➤ Calif. Dept. of Fish & Game, Marine Region	http://www.dfg.ca.gov/mrd/	John Ugoretz	(831) 649-2893	jugoretz@dfg.ca.gov